



Substitute for Form 1449/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

## Complete if Known

Application Number	10/663,167
Filing Date	September 15, 2003
First Named Inventor:	Harry Bims
Art Unit	To be assigned
Examiner Name	To be assigned
Attorney Docket Number	005878.P012X

Sheet 1 of 5

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)				
SM		US-	5,479,400	12-26-1995	Dilworth et al.	370/331
SM		US-	5,815,811	09-29-1998	Pinard et al.	455/434
SM		US-	5,903,834	05-11-1999	Wallstedt et al.	455/421
SM		US-	5,979,757	11-09-1999	Tracy et al.	238/383
SM		US-	6,002,918	12-14-1999	Heiman et al.	340/238
SM		US-	6,067,297	05-23-2000	Beach	370/389
SM		US-	6,084,528	07-04-2000	Beach et al.	340/5.9
SM		US-	6,178,426 B1	01-23-2001	Klein et al.	707/102
SM		US-	6,188,681 B1	02-13-2001	Vesuna	370/338
SM		US-	6,199,753 B1	03-13-2001	Tracy et al.	238/375
SM		US-	6,404,772 B1	06-11-2002	Beach et al.	370/443
SM		US-	6,405,049 B2	06-11-2002	Herrod et al.	455/517
SM		US-	6,411,608 B2	06-25-2002	Sharony	370/318
SM		US-	6,594,475 B1	07-15-2003	Anvekar et al.	370/455/271
		US-				

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
SM		WO	96/22636	07-25-1996	MacNamee		

Examiner Signature	Sunder Lal Mehra	Date Considered	10/20/05
--------------------	------------------	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for Form 1449/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

## Complete if Known

Application Number	10/663,167
Filing Date	September 15, 2003
First Named Inventor:	Harry Bims
Art Unit	To be assigned
Examiner Name	To be assigned
Attorney Docket Number	005878.P012X

of 5

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear  <i>class/sub-class</i>	
		Number-Kind Code <sup>2</sup> (if known)					
IM		US-	4,534,061	08-06-1985	Ulug	455/17	
IM		US-	5,461,627	10-24-1995	Rypinski	370/346	
IM		US-	5,507,035	04-09-1996	Bantz et al.	455/133	
IM		US-	5,594,731	01-14-1997	Reissner	370/338	
IM		US-	5,636,220	06-03-1997	Vook et al.	370/338	
IM		US-	5,717,688	02-10-1998	Belanger et al.	370/331	
IM		US-	5,774,461	06-30-1998	Hyden et al.	370/310.2	
IM		US-	5,825,776	10-20-1998	Moon	370/437	
IM		US-	5,862,481	01-19-1999	Kulkarni et al.	455/432.2	
IM		US-	5,875,186	02-23-1999	Belanger et al.	370/331	
IM		US-	5,923,702	07-13-1999	Brenner et al.	375/133	
IM		US-	5,987,062	11-16-1999	Engwer et al.	375/225	
IM		US-	5,991,287	11-23-1999	Diepstraten et al.	370/338	
IM		US-	6,038,448	03-14-2000	Chheda et al.	455/436	
IM		US-	6,058,106	05-02-2000	Cudak et al.	370/313	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>4</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

Examiner  
Signature

Jinder Pal Mehra

Date Considered  
10/20/05

10/20

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: C mmlssi ner f r Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for Form 1449/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/663,167
Filing Date	September 15, 2003
First Named Inventor:	Harry Bims
Art Unit	To be assigned
Examiner Name	To be assigned
Attorney Docket Number	005878.P012X

Sheet

of

5

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)				
IM		us-	2002/0075825 A1	06-20-2002	Hills et al.	class/sub-class 370/329
IM		us-	2002/0060995 A1	05-23-2002	Cervello et al.	370/332
IM		us-	2001/0024953 A1	09-27-2001	Balogh	455/432.1
IM		us-	6,259,898	07-10-2001	Lewis	455/103
IM		us-	6,097,707	08-01-2000	Hodzic et al.	370/321
IM		us-	6,130,896	10-10-2000	Lueker et al.	370/469
IM		us-	6,137,791	10-24-2000	Frid et al.	370/352
IM		us-	6,137,802	10-24-2000	Jones et al.	370/401
IM		us-	6,243,581	06-05-2001	Jawanda	455/432.2
IM		us-	6,253,082	06-26-2001	Hengeveld	455/436
IM		us-	6,285,665	09-04-2001	Chuah	370/319
IM		us-	6,452,915 B1	09-17-2002	Jorgensen	370/338
IM		us-	6,501,582 B2	12-31-2002	Chiou et al.	398/126
IM		us-	6,522,880 B1	02-18-2003	Verma et al.	455/436
IM		us-	6,556,547 B1	04-29-2003	Srikanth et al.	370/317

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>4</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

Examiner Signature	Sunderlal Mehra	Date Considered	10/20/05
--------------------	-----------------	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: C mmissioner for Patents, P.O. B x 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select pt n 2.

NOV 10 2003  
U.S. DEPARTMENT OF JUSTICE  
FEDERAL BUREAU OF INVESTIGATION  
WASHINGTON, D.C. 20535

[illegible][illegible]

Inder Pal Mehra

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitut for Form 1449/PTO

## INFORMATION DISCLOSURE

## STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sh t

of

5

## Complete if Known

Application Number	10/663,167
Filing Date	September 15, 2003
First Named Inventor	Harry Bims
Art Unit	To be assigned
Examiner Name	To be assigned
Attorney Docket Number	005878.P012X

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		BAHL, Paramvir and PADMANABHAN, Venkata N., "RADAR: An In-Building RF-based User Location and Tracking System," Proceedings of IEEE INFOCOMM 200, March 2000, pp. 775-784.	
		Lucent Technologies Inc., Orinoco Manager Suite - User's Guide, November 2000	
		MESSIER, Andrew et al., "Performance Monitoring of a Wireless Campus Area Network," Local Computer Networks, 1997, Proceedings, 22 <sup>nd</sup> Annual Conference on November 1997, pp. 232-238	
		PCT International Search Report mailed April 15, 2003 for International Application No.: PCT/US03/00783 (4 pages)	
		PCT International Search Report mailed April 25, 2003 for International Application No. PCT/US03/0782	
		<i>Not considered</i>	

Examiner  
Signature

Sunder Pal Mehra

Date  
Considered

10/23/05

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.